

**PATENT  
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

IN RE APPLICATION OF : Ammar T. Degani et al.

FOR : METHOD AND SYSTEM OF  
INDIVIDUALIZING TONE-REPRODUCTION  
CURVES CALIBRATION AND APPLYING  
THEREOF

SERIAL NO. : Unknown

FILED : Herewith

ART UNIT : Unknown

ATTORNEY DOCKET NO. : XER 2 0392  
D/A0652

December 28, 2000

**PRELIMINARY AMENDMENT**

Commissioner of Patents  
and Trademarks  
Washington, D. C. 20231

Dear Sir:

Prior to substantial examination, applicant respectfully requests  
amendment of the application as follows:

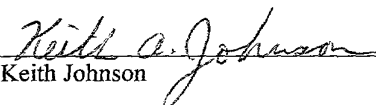
**IN THE SPECIFICATION:**

Please amend the specification as follows:

At page 1, line 26, after "based", please insert --on-- therefor.

**CERTIFICATE OF EXPRESS MAILING**

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. 1.10 and is addressed to the Assistant Commissioner For Patents, Washington, D.C. 20231 on 12/28/00. **Express Mailing Label No. EL545795640US.**

  
Keith Johnson

Date: 12-28-00

**IN THE CLAIMS:**

Please amend claims **10 - 17** as follows:

10. (Amended) The system as claimed in claim [9] 8, wherein:

said input device selects a halftone to be used in printing the image data;

said storage device provides a plurality of calibrated tone-reproduction curves,

each calibrated tone-reproduction curve corresponding to a distinct halftone type and media type combination;

said processor selects a calibrated tone-reproduction curve based on the selected media type and selected halftone type.

11. (Amended) The system as claimed in claim [9] 8, further comprising:

calibration means for performing a plurality of calibration operations, each calibration operation using a distinct media type;

said calibration means generating a tone-reproduction curve for each media type;

said storage device storing the generated the tone-reproduction curves and providing a plurality of stored calibrated tone-reproduction curves, each stored calibrated tone-reproduction curve corresponding to a distinct media type.

12. (Amended) The system as claimed in claim [9] 8, further comprising:  
calibration means for performing a plurality of calibration operations, each  
calibration operation using a distinct media type;

said calibration means generating a tone-reproduction curve for each media type;

said input device selecting a halftone to be used in printing the image data;

said storage device storing the generated the tone-reproduction curves and providing a plurality of stored calibrated tone-reproduction curves, each stored calibrated tone-reproduction curve corresponding to a distinct halftone type and media type combination;

said processor selecting a calibrated tone-reproduction curve based on the selected media type and selected halftone type.

13. (Amended) The system as claimed in claim [9] 8, further comprising:

calibration means for performing a plurality of calibration operations, each calibration operation using a distinct media type;

said calibration means generating a tone-reproduction curve for each media type calibration;

said calibration means comparing the plurality of tone-reproduction curves to group tone-reproduction curves having similar characteristics;

said calibration means selecting a single tone-reproduction curve from a group of tone-reproduction curves having similar characteristics, each single tone-reproduction curve being the tone-reproduction curve associated with the media types that generated the tone-reproduction curve having similar characteristics;

said storage device storing selected and non-grouped tone-reproduction curves;

said calibration means generating a map to link a stored tone-reproduction curve to a media type, a stored tone-reproduction curve being capable of being mapped to more than one media type;

said storage device providing a plurality of stored calibrated tone-reproduction curves, each stored calibrated tone-reproduction curve corresponding to a distinct media type.

14. (Amended) The system as claimed in claim [9] 8, further comprising:
- calibration means for performing a plurality of calibration operations, each calibration operation using a distinct media type and halftone type combination;
- said calibration means generating a tone-reproduction curve for each media type and halftone type combination calibration;
- said calibration means comparing the plurality of tone-reproduction curves to group tone-reproduction curves having similar characteristics;
- said calibration means selecting a single tone-reproduction curve from a group of tone-reproduction curves having similar characteristics, each single tone-reproduction curve being the tone-reproduction curve associated with the media type and halftone type combinations that generated the tone-reproduction curve having similar characteristics;
- said storage device storing selected and non-grouped tone-reproduction curves;
- said calibration means generating a map to link a stored tone-reproduction curve to a media type and halftone type combination, a stored tone-reproduction curve

being capable of being mapped to more than one media type and halftone type combination; and

said input device selecting a halftone to be used in printing the image data;

said storage device providing a plurality of stored calibrated tone-reproduction curves, each stored calibrated tone-reproduction curve corresponding to a distinct media type and halftone type combination;

said processor selecting a calibrated tone-reproduction curve based on the selected media type and selected halftone type.

15. (Amended) The system as claimed in claim [9] 8, further comprising:

an auto-segmentation circuit to determine a halftone to be used in printing the image data;

said storage device providing a plurality of calibrated tone-reproduction curves, each calibrated tone-reproduction curve corresponding to a distinct halftone type and media type combination;

said processor selecting a calibrated tone-reproduction curve based on the selected media type and determined halftone type.

16. (Amended) The system as claimed in claim [9] 8, further comprising:

calibration means for performing a plurality of calibration operations, each calibration operation using a distinct media type;

said calibration means generating a tone-reproduction curve for each media type; and

said processor selecting a calibrated tone-reproduction curve based on the selected media type and determined halftone type.

said storage device storing selected and non-grouped tone-reproduction curves;

said calibration means generating a map to link a stored tone-reproduction curve to a media type and halftone type combination, a stored tone-reproduction curve being capable of being mapped to more than one media type and halftone type combination; and

an auto-segmentation circuit to determine a halftone to be used in printing the image data;

said storage device providing a plurality of stored calibrated tone-reproduction curves, each stored calibrated tone-reproduction curve corresponding to a distinct media type and halftone type combination;

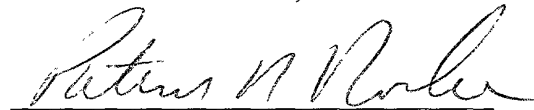
said processor selecting a calibrated tone-reproduction curve based on the selected media type and determined halftone type.

Respectfully submitted

FAY, SHARPE, FAGAN,  
MINNICH & MCKEE, LLP

DATE:

12/22/00



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